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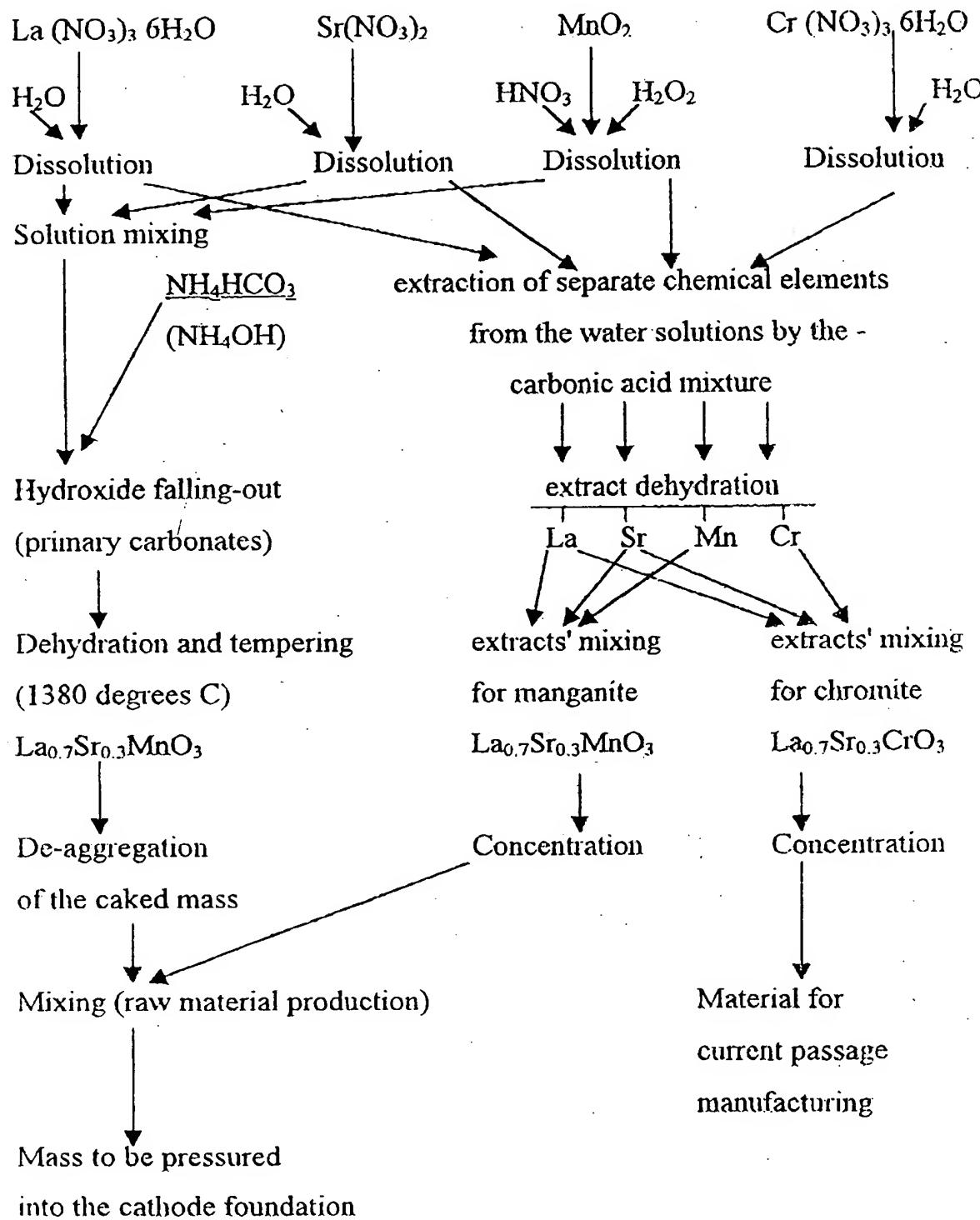


Fig. 1

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Forming the tubular cathode
by the hydrostatic pressuring

Burning out the binding agent, caking

T ~ 1350 degrees C

Manufacturing the interface layer and current passage
Mixture of Cr, La, St carboxilates

Manufacturing the electrolyte
Mixture of Ce, Sm/Gd, Zr, Y, Sc carboxilates

Manufacturing the anode

Anode material YSZ GSC/Ni_{met} Co_{met}
Ni or Co carboxilates

Manufacturing the electrical insulating

layer
Material for electrical insulating
layer

layer

Thermal treatment

Mg Al carboxilates
(MgAl₂O₄) (YSZ)

T ~ 1250 degrees C

A single fuel cell

Fig. 3

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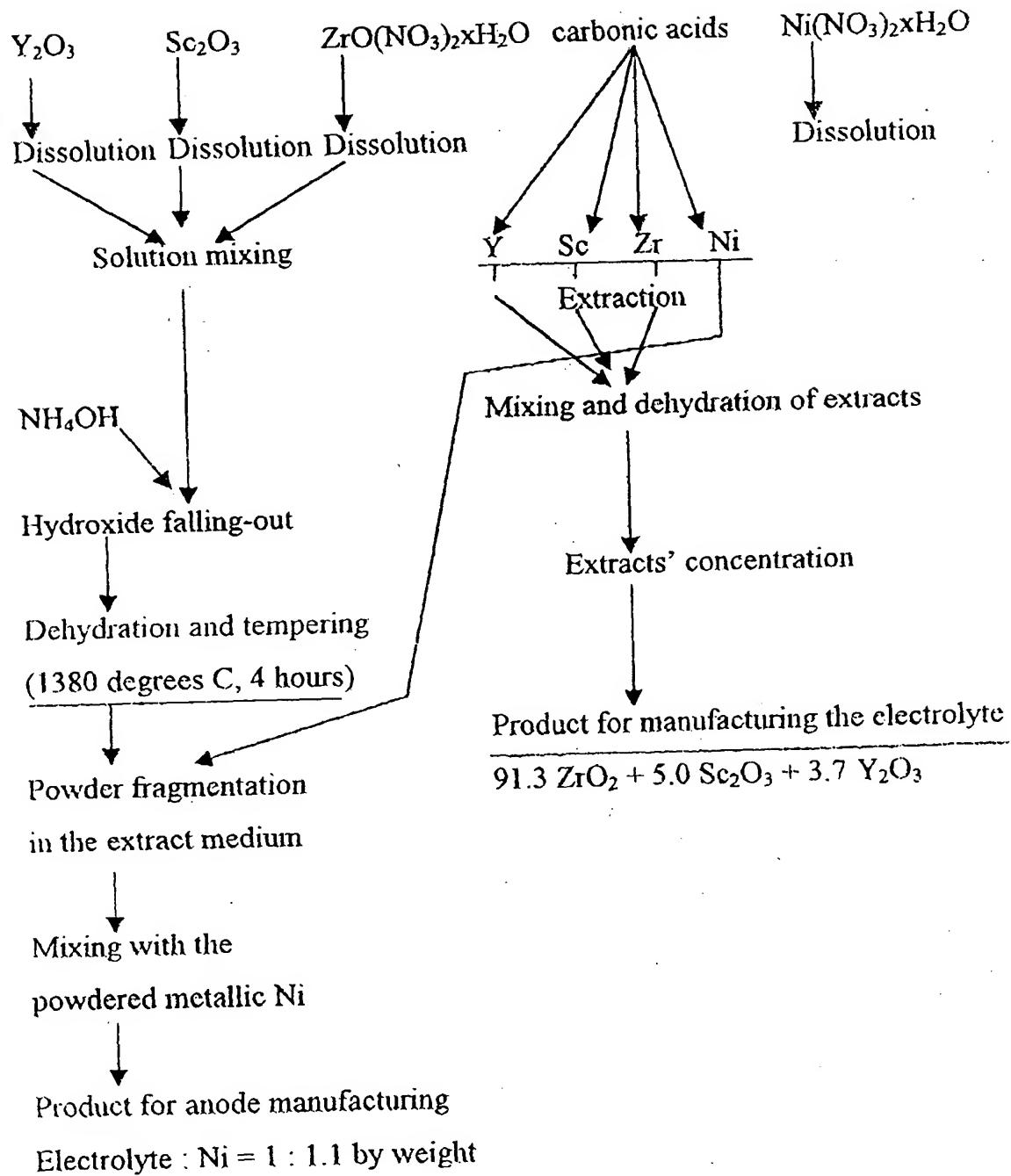


Fig. 2

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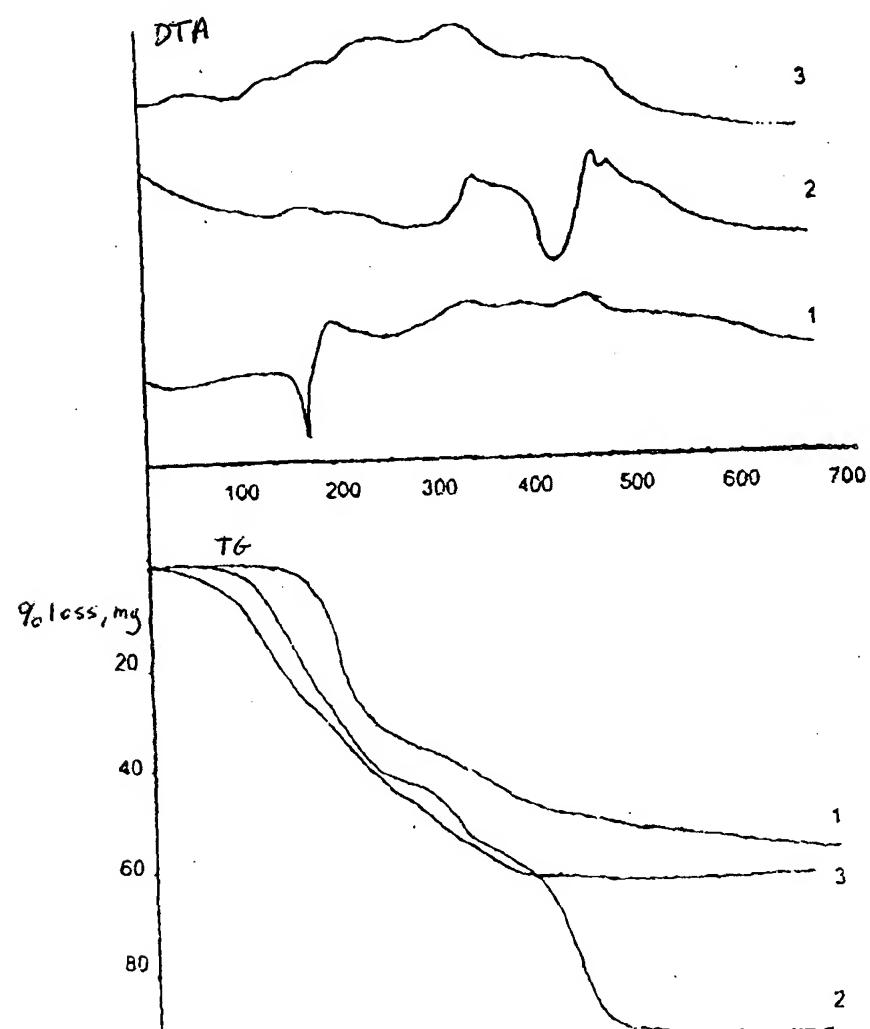


Fig. 4.

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DO NOT REPRODUCE

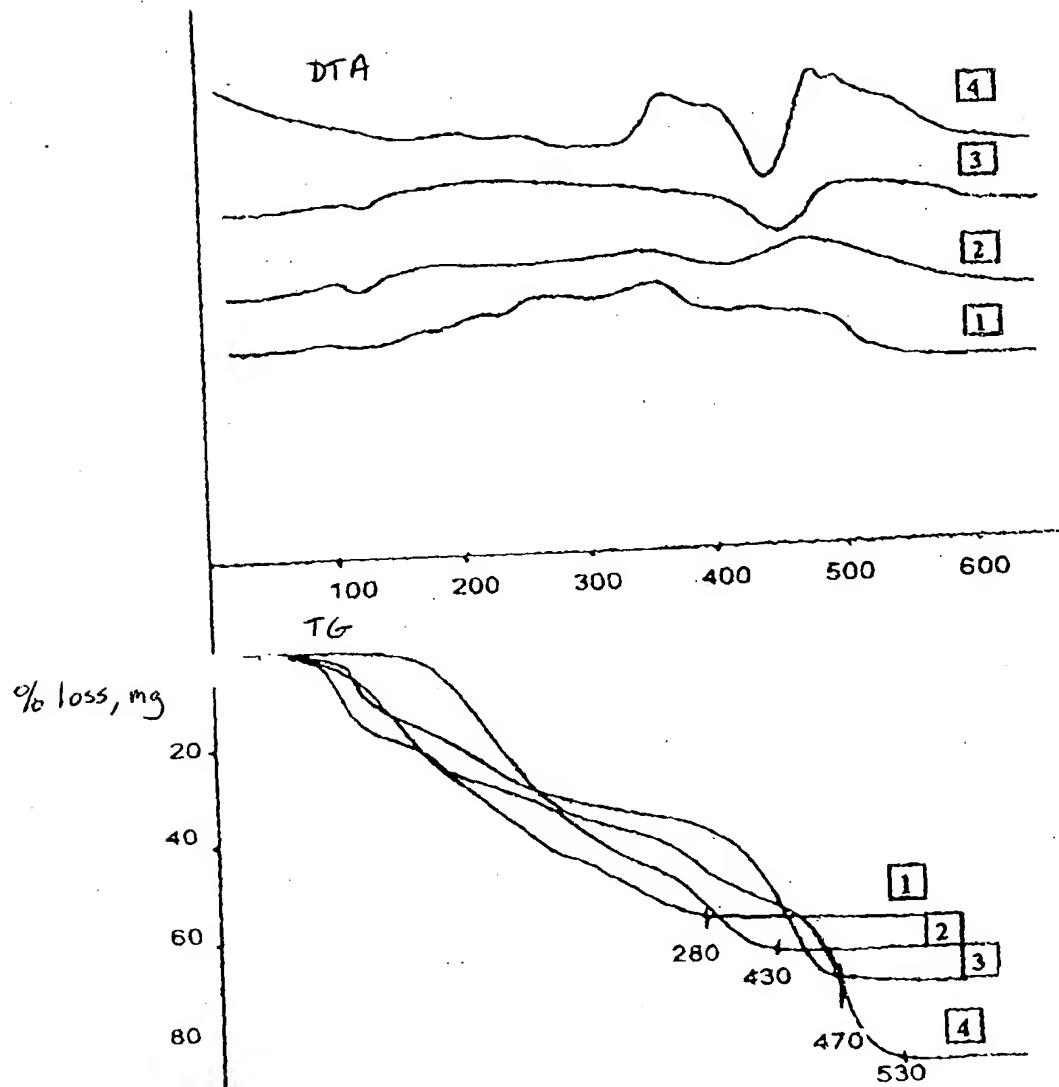


Fig. 5.

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ИЗМЕРЕНИЕ ПРОФИЛЕЙ ОГРНКА
Длина x 30.7000
Ср.длина = 30.7000
X= 69.8000
Y=131.8000



Fig. 9.

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Fig. 6.

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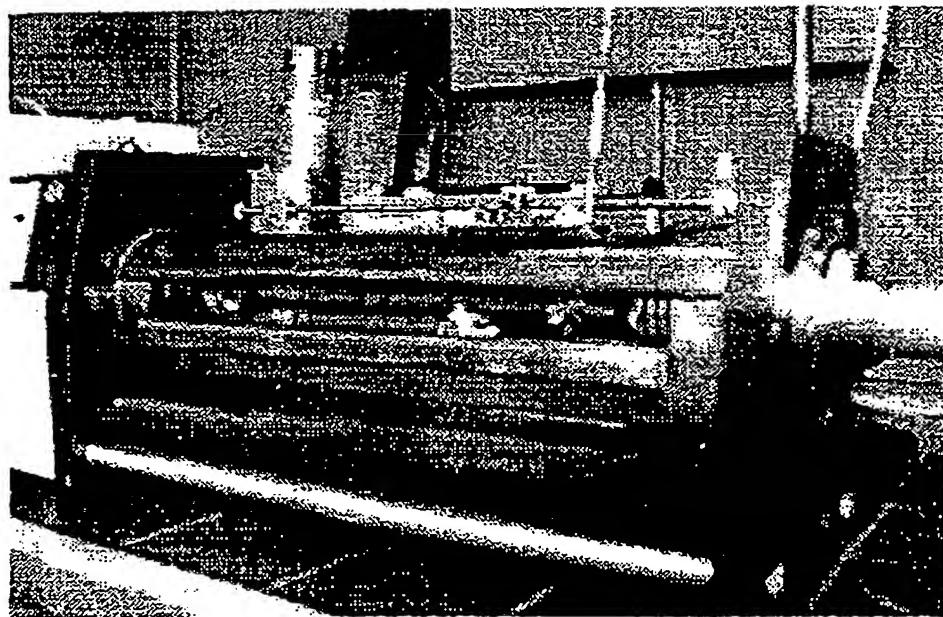


Fig. 7.

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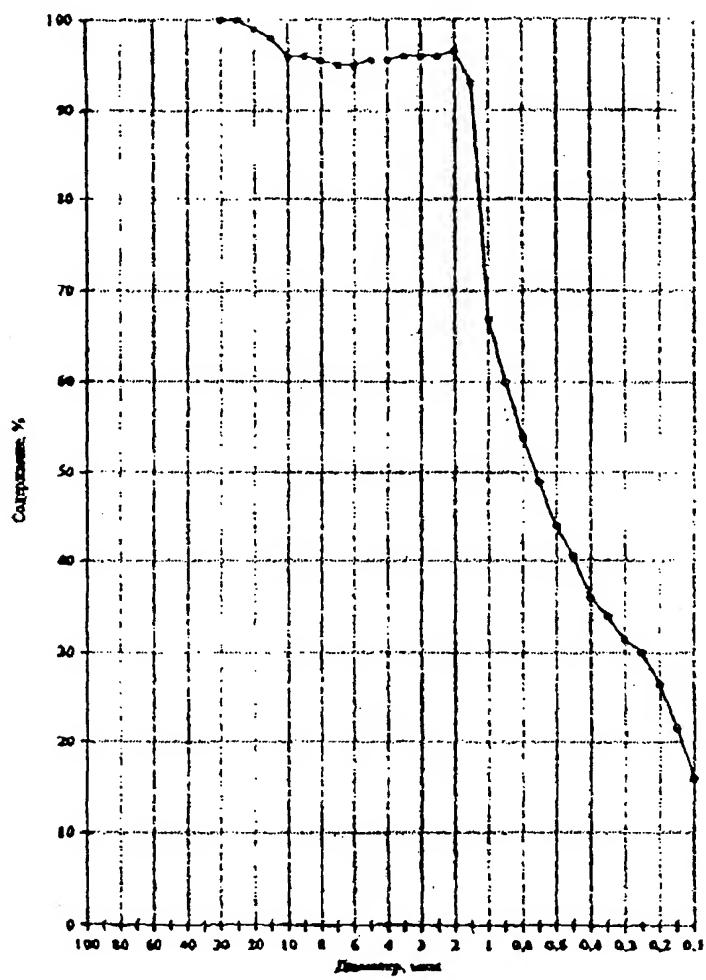


Fig. 8.

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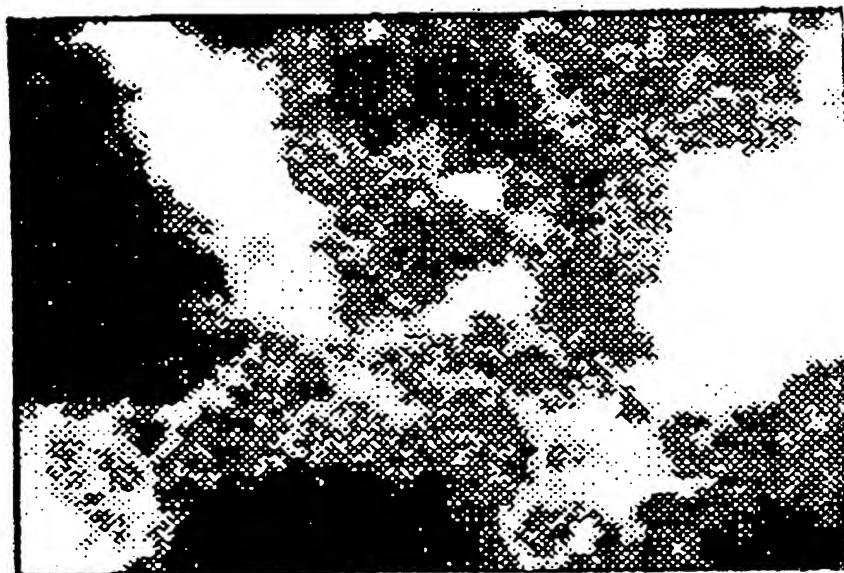


Fig. 10.

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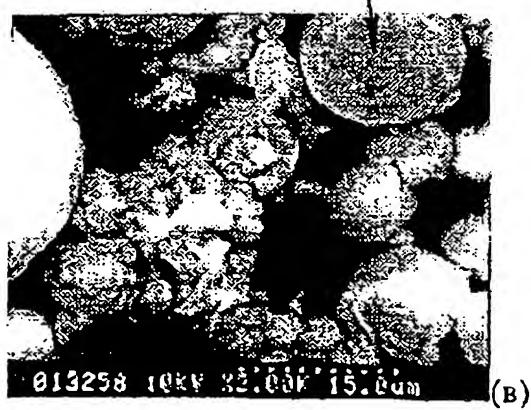
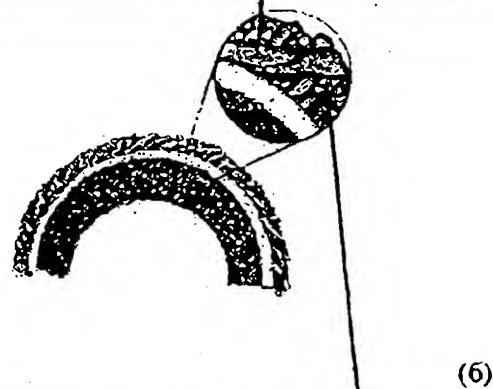


Fig. 11.